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NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

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WEEKLY REPORT

Week Ending December 14, 1968

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

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EPIDEMIOLOGIC NOTES AND REPORTS
INFLUENZA – United States

During the past week, influenza activity has been reported from 11 additional states. It has been manifested primarily by an increase in school or industrial absenteeism, by an increase in febrile respiratory illness, or by colleges closing early for Christmas vacation.

Documented outbreaks of A2/Hong Kong/68 influenza have been reported from Florida, South Carolina, and Wyoming. In addition to these states, Georgia, Iowa, Kansas, Ohio, and Oregon, which had previous influenza activity, have now documented A2/Hong Kong/68 influenza outbreaks. Outbreaks of influenza-like disease have been reported from Idaho, Indiana, Maine, Massachusetts, South Dakota, and Tennessee. Louisiana and North Dakota have reported documented isolated cases of A2 Hong Kong/68 influenza.

In all the states reporting outbreaks, influenza activity has been focal and sporadic and limited to either institutions and/or communities. Attack rates in various

(Continued on page 462)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	50th WEEK ENDED		MEDIAN	CUMULATIVE, FIRST 50 WEEKS		
	December 14, 1968	December 16, 1967	1963 - 1967	1968	1967	MEDIAN 1963 - 1967
Aseptic meningitis	55	35	35	4,253	2,936	2,076
Brucellosis	1	4	4	221	244	244
Diphtheria	8	2	5	235	199	199
Encephalitis, primary:						
Arthropod-borne & unspecified	37	28	- - -	1,392	1,541	- - -
Encephalitis, post-infectious	4	14	- - -	450	739	- - -
Hepatitis, serum	107	62	758	4,533	2,264	36,394
Hepatitis, infectious	927	737		44,060	37,260	
Malaria	56	36	2	2,287	2,023	103
Measles (rubeola)	261	414	2,876	21,973	61,513	259,326
Meningococcal infections, total	59	45	58	2,464	2,071	2,683
Civilian	47	40	- - -	2,258	1,942	- - -
Military	12	5	- - -	206	129	- - -
Mumps	2,385	- - -	- - -	144,743	- - -	- - -
Poliomyelitis, total	–	–	1	56	45	98
Paralytic	–	–	1	56	32	89
Rubella (German measles)	357	412	- - -	47,729	43,478	- - -
Streptococcal sore throat & scarlet fever	11,496	10,505	8,404	415,198	430,282	377,392
Tetanus	2	7	4	156	223	266
Tularemia	3	6	4	169	165	236
Typhoid fever	12	4	4	394	392	436
Typhus, tick-borne (Rky. Mt. spotted fever)	–	–	–	277	297	251
Rabies in animals	55	49	64	3,228	4,068	4,068

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	3	Rabies in man:	1
Botulism:	7	Rubella, Congenital Syndrome:	5
Leptospirosis:	56	Trichinosis: NYC-3	64
Plague:	3	Typhus, murine: Fla.-1	33
Psittacosis:	42		

INFLUENZA – *(Continued from front page)*

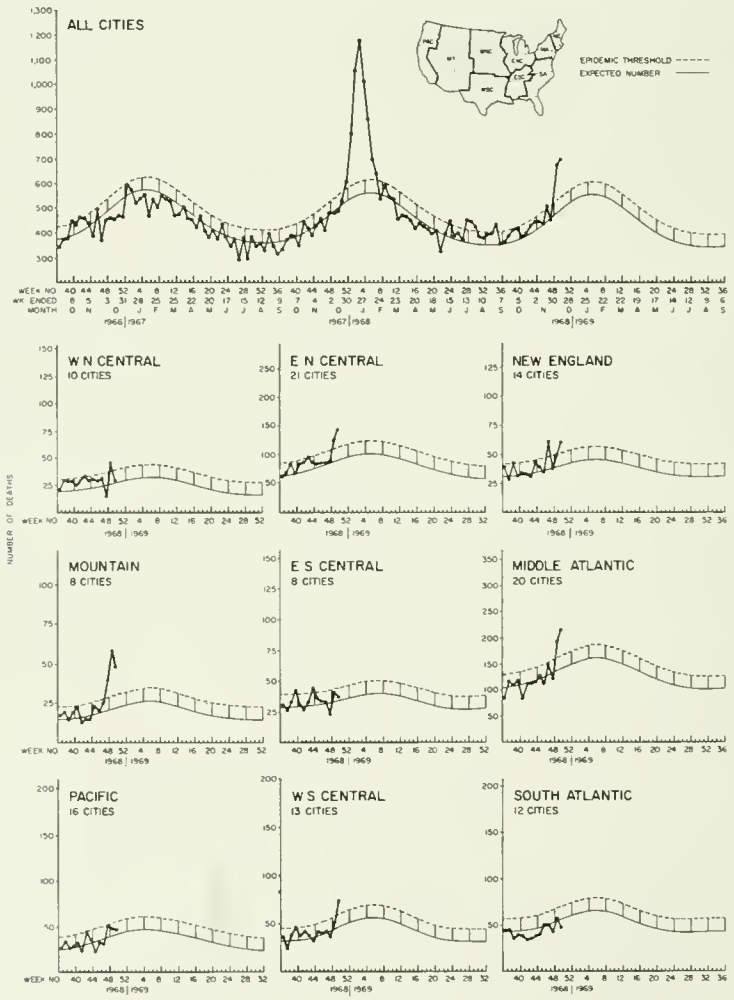
communities have ranged from 10 to 20 percent and attack rates in various institutions have ranged from 10 to 50 percent. The highest attack rates have been reported from universities and colleges, while highest absenteeism rates have occurred in the junior and senior high schools.

Currently, 40 states, the District of Columbia, and Puerto Rico have reported some form of influenza activity. The current status of influenza activity is depicted in Figure 1. As illustrated in Figure 2, the reported pneumonia-influenza deaths in 122 U.S. cities have exceeded the epidemic threshold for the second consecutive week, and pneumonia-influenza deaths in three divisions, the East North Central, Mountain, and Middle Atlantic, have exceeded the epidemic threshold for 2 or more consecutive weeks.

(Reported by E. Charlton Prather, M.D., M.P.H., Director, Division of Epidemiology, Florida State Board of Health;

Figure 1
INCIDENCE OF INFLUENZA AND INFLUENZA-LIKE DISEASE BY STATE AS REPORTED TO NCDC
SEPTEMBER 2 – DECEMBER 16, 1968

Figure 2
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



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INFLUENZA SURVEILLANCE – Pennsylvania

On December 2, 1968, the Division of Communicable Diseases, Pennsylvania Department of Health, instituted a statewide program for influenza surveillance consisting of 12 surveillance sites throughout the state to monitor absenteeism in the six state regions (Figure 3). Daily attendance reports are received from selected elementary schools, high schools, and industries, and related the same day to the Division of Communicable Diseases for analysis and further investigation if indicated. Approximately 100,000 people are included in this daily absenteeism reporting and comprise approximately 1 percent of the state's population excluding Philadelphia and Pittsburgh which have separate surveillance systems. In addition to the field surveillance, the state laboratory telephones a daily report identifying the locations of recently confirmed cases of A2/Hong Kong/68 influenza. This information, supplemented by pneumonia and influenza mortality statistics from six metropolitan areas, is analyzed, summarized, and released every 3 days to public health personnel in the state.

The purpose of this surveillance and reporting system is to provide current information on the activity of A2/Hong Kong/68 influenza in Pennsylvania and to focus attention on areas with significantly increased absenteeism and mortality rates in an effort to secure early clinical and laboratory confirmation of influenza and to document the effects of a highly communicable virus on the daily activities of a large population group.

To date, there has been no unexpected increased absenteeism in Pennsylvania. Although the surveillance system has demonstrated absenteeism of greater than 10 percent between December 9 and 11 in 11 institutions, epidemiologic study of these institutions has revealed that these rates are either transitory rises or normal values for these institutions (Table 1). As of December 13, the state laboratory reported isolation of 222 A2/Hong Kong/68-like viruses. Of these, 178 were from residents of Philadelphia and 25 isolates were from Centre County, accounting for 91 percent of the confirmed cases. In addition, A2/Hong Kong/68-like viruses were obtained from nine other counties in the state.

Figure 3
INFLUENZA SURVEILLANCE SITES AND CONFIRMED CASES
PENNSYLVANIA – DECEMBER 11, 1968

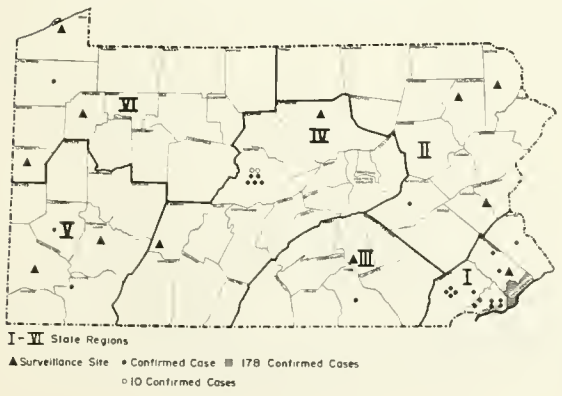

Table 1
Institutions by Region with Absenteeism Above 10 Percent
Pennsylvania, December 9-11, 1968

Region	Institutions under Surveillance	Population under Surveillance	Institutions with Absenteeism >10 Percent
I	15	25,614	3
II	15	28,856	4
III	28	21,575	0
IV	7	7,156	1
V	6	10,040	2
VI	14	9,090	1
TOTAL	85	103,150	11

(Reported by W. D. Schrack, Jr., M.D., Director, Division of Communicable Diseases, Davis S. Hall, Information, Education Advisor, and Robert E. Longenecker, Community Vaccination Project Coordinator, Public Health Advisor, James M. Prier, D.V.M., Ph.D., Director, Division of Laboratories, and 12 Public Health Nurses, Pennsylvania Department of Health; and an EIS Officer.)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
DECEMBER 14, 1968 AND DECEMBER 16, 1967 (50th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA
					Primary including unsp. cases		Post-Infectious	Serum	Infectious		
	1968	1967	1968	1968	1968	1967	1968	1968	1968	1967	1968
UNITED STATES...	55	35	1	8	37	28	4	107	927	737	56
NEW ENGLAND.....	3	3	-	-	1	1	-	8	64	38	2
Maine.*	-	-	-	-	-	-	-	-	3	2	1
New Hampshire.*	-	-	-	-	-	-	-	-	4	-	1
Vermont	-	-	-	-	-	-	-	-	3	-	-
Massachusetts	2	3	-	-	1	1	-	-	32	7	-
Rhode Island	1	-	-	-	-	-	-	-	8	7	-
Connecticut	-	-	-	-	-	-	-	8	14	22	-
MIDDLE ATLANTIC.....	12	2	-	-	3	4	-	35	187	133	10
New York City	6	1	-	-	1	-	-	20	69	48	2
New York, up-State.	4	-	-	-	-	3	-	5	28	46	-
New Jersey.*	-	1	-	-	-	-	-	7	42	12	1
Pennsylvania	2	-	-	-	2	1	-	3	48	27	7
EAST NORTH CENTRAL...	12	2	-	-	13	7	1	4	155	132	11
Ohio	7	-	-	-	9	2	1	-	33	35	-
Indiana	-	1	-	-	1	-	-	-	14	8	-
Illinois	4	1	-	-	-	2	-	2	34	59	9
Michigan	1	-	-	-	3	3	-	2	53	21	2
Wisconsin	-	-	-	-	-	-	-	-	21	9	-
WEST NORTH CENTRAL...	-	-	-	-	1	-	-	-	44	41	1
Minnesota	-	-	-	-	1	-	-	-	11	14	-
Iowa	-	-	-	-	-	-	-	-	9	7	-
Missouri	-	-	-	-	-	-	-	-	8	9	-
North Dakota	-	-	-	-	-	-	-	-	1	7	-
South Dakota	-	-	-	-	-	-	-	-	3	-	-
Nebraska	-	-	-	-	-	-	-	-	2	1	-
Kansas	-	-	-	-	-	-	-	-	10	3	1
SOUTH ATLANTIC.....	1	4	-	4	4	2	-	4	99	50	12
Delaware	-	-	-	-	-	-	-	-	3	6	-
Maryland	1	-	-	-	1	-	-	1	18	10	-
Dist. of Columbia	-	-	-	-	-	-	-	-	1	-	-
Virginia	-	3	-	-	1	2	-	-	14	10	-
West Virginia	-	-	-	-	1	-	-	-	11	8	-
North Carolina	-	-	-	-	-	-	-	1	16	1	11
South Carolina	-	-	-	-	1	-	-	1	8	1	1
Georgia	-	-	-	-	-	-	-	-	19	9	-
Florida	-	1	-	4	-	-	-	1	9	5	-
EAST SOUTH CENTRAL...	3	2	-	2	2	2	-	9	62	75	3
Kentucky	1	-	-	1	-	-	-	-	28	40	2
Tennessee	-	1	-	-	-	-	-	9	10	17	-
Alabama	-	-	-	1	-	-	-	-	13	4	1
Mississippi	2	1	-	-	2	2	-	-	11	14	-
WEST SOUTH CENTRAL...	4	2	1	2	2	4	-	2	61	74	-
Arkansas	-	1	-	-	-	-	-	-	6	2	-
Louisiana	-	1	-	-	1	2	-	2	10	19	-
Oklahoma	-	-	-	-	-	1	-	-	17	7	-
Texas.*	4	-	1	2	1	1	-	-	28	46	-
MOUNTAIN.....	-	-	-	-	-	-	-	-	12	40	6
Montana	-	-	-	-	-	-	-	-	1	4	-
Idaho	-	-	-	-	-	-	-	-	1	1	-
Wyoming	-	-	-	-	-	-	-	-	1	1	-
Colorado	-	-	-	-	-	-	-	-	-	16	6
New Mexico	-	-	-	-	-	-	-	-	-	10	-
Arizona	-	-	-	-	-	-	-	-	1	8	-
Utah	-	-	-	-	-	-	-	-	8	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	20	20	-	-	11	8	3	45	243	154	11
Washington	-	8	-	-	-	1	-	-	28	13	1
Oregon	-	-	-	-	-	-	-	2	19	12	-
California	20	10	-	-	11	7	3	42	191	129	10
Alaska	-	-	-	-	-	-	-	-	2	-	-
Hawaii	-	2	-	-	-	-	-	1	3	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	8	28	-

*Delayed reports: Diphtheria: Tex. 4
Hepatitis, serum: N.J. delete 5
Hepatitis, infectious: Me. 8, N.H. 1, N.J. delete 13

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 14, 1968 AND DECEMBER 16, 1967 (50th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
		Cumulative			Cumulative			Total	Paralytic		
	1968	1968	1967	1968	1968	1967	1968	1968	1968	Cum. 1968	1968
UNITED STATES...	261	21,973	61,513	59	2,464	2,071	2,385	-	-	56	357
NEW ENGLAND.....	43	1,303	930	-	139	82	376	-	-	1	42
Maine.*.....	-	38	262	-	6	3	55	-	-	-	1
New Hampshire.....	8	150	78	-	8	4	9	-	-	-	1
Vermont.....	-	3	34	-	1	1	56	-	-	-	-
Massachusetts.....	2	386	395	-	74	37	146	-	-	1	17
Rhode Island.....	16	55	62	-	9	6	23	-	-	-	-
Connecticut.....	17	671	99	-	41	31	87	-	-	-	23
MIDDLE ATLANTIC.....	43	4,617	2,556	12	437	346	51	-	-	1	20
New York City.....	22	2,384	520	3	89	67	23	-	-	-	12
New York, Up-State.	7	1,347	642	-	72	84	NN	-	-	1	5
New Jersey.*.....	5	702	610	9	156	111	28	-	-	-	3
Pennsylvania.....	9	184	784	-	120	84	NN	-	-	-	-
EAST NORTH CENTRAL...	49	4,173	6,218	8	309	286	707	-	-	10	100
Ohio.....	4	329	1,202	2	84	94	80	-	-	2	5
Indiana.*.....	11	730	669	1	44	31	84	-	-	3	9
Illinois.....	11	1,430	1,239	3	70	66	57	-	-	2	15
Michigan.....	6	328	1,026	1	89	74	200	-	-	3	46
Wisconsin.....	17	1,356	2,082	1	22	21	286	-	-	-	25
WEST NORTH CENTRAL...	6	453	2,996	10	138	100	174	-	-	3	30
Minnesota.*.....	-	19	139	-	29	22	1	-	-	-	1
Iowa.....	2	146	815	3	14	22	167	-	-	1	14
Missouri.....	-	81	340	7	48	21	5	-	-	2	7
North Dakota.....	-	138	890	-	4	3	-	-	-	-	8
South Dakota.....	-	4	58	-	5	7	NN	-	-	-	-
Nebraska.....	4	55	660	-	9	15	1	-	-	-	-
Kansas.....	-	10	94	-	29	10	-	-	-	-	-
SOUTH ATLANTIC.....	46	1,715	7,347	10	492	406	155	-	-	3	24
Delaware.....	1	19	51	-	12	8	4	-	-	-	7
Maryland.....	-	103	180	3	44	56	6	-	-	-	2
Dist. of Columbia..	-	6	25	-	17	15	-	-	-	1	-
Virginia.....	17	348	2,326	1	48	45	9	-	-	-	-
West Virginia.....	11	326	1,477	1	14	38	115	-	-	1	6
North Carolina.....	1	321	935	2	98	86	NN	-	-	1	-
South Carolina.....	3	26	514	2	63	33	12	-	-	-	6
Georgia.....	-	4	42	-	93	60	-	-	-	-	-
Florida.....	13	562	1,797	1	103	65	9	-	-	-	3
EAST SOUTH CENTRAL...	3	506	5,509	4	219	166	108	-	-	1	17
Kentucky.....	3	106	1,432	3	98	47	69	-	-	1	9
Tennessee.....	-	64	2,043	-	68	73	36	-	-	-	8
Alabama.....	-	95	1,357	1	28	29	2	-	-	-	-
Mississippi.....	-	241	677	-	25	17	1	-	-	-	-
WEST SOUTH CENTRAL...	45	5,268	18,126	7	355	260	236	-	-	24	24
Arkansas.....	-	2	1,404	-	21	41	1	-	-	1	-
Louisiana.....	-	25	156	3	100	102	-	-	-	-	-
Oklahoma.....	1	130	3,359	1	56	19	7	-	-	2	4
Texas.....	44	5,111	13,207	3	178	98	228	-	-	21	20
MOUNTAIN.....	13	1,086	4,893	-	45	40	114	-	-	1	17
Montana.....	-	58	334	-	6	5	19	-	-	-	-
Idaho.....	-	21	405	-	12	3	5	-	-	-	1
Wyoming.....	-	55	204	-	3	1	-	-	-	-	-
Colorado.....	2	524	1,632	-	14	13	30	-	-	-	10
New Mexico.....	10	164	607	-	1	5	21	-	-	-	-
Arizona.....	1	235	1,059	-	5	6	17	-	-	1	4
Utah.....	-	21	383	-	1	4	22	-	-	-	2
Nevada.....	-	8	269	-	3	3	-	-	-	-	-
PACIFIC.....	13	2,852	12,938	8	330	385	464	-	-	12	83
Washington.....	5	601	5,674	-	51	38	153	-	-	1	30
Oregon.....	3	588	1,706	-	25	30	24	-	-	-	17
California.....	5	1,617	5,235	8	236	302	261	-	-	11	32
Alaska.*.....	-	11	141	-	4	11	11	-	-	-	2
Hawaii.....	-	35	182	-	14	4	15	-	-	-	2
Puerto Rico.....	10	499	2,242	-	20	15	25	-	-	-	-

*Delayed reports: Measles: N.J. delete 1, Minn. 1
Meningococcal infections: Alaska 1
Mumps: Me. 11
Poliomyelitis, paralytic: Ind.1
Rubella: Me. 5

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
DECEMBER 14, 1968 AND DECEMBER 16, 1967 (50th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968	1968	Cum. 1968
UNITED STATES...	11,496	2	156	3	169	12	394	-	277	55	3,228
NEW ENGLAND.....	1,446	-	4	-	47	-	13	-	2	-	74
Maine.*	47	-	-	-	-	-	2	-	-	-	55
New Hampshire.....	32	-	1	-	-	-	1	-	-	-	2
Vermont.....	29	-	-	-	47	-	-	-	-	-	11
Massachusetts.....	178	-	1	-	-	-	7	-	2	-	5
Rhode Island.....	55	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,105	-	2	-	-	-	3	-	-	-	1
MIDDLE ATLANTIC.....	315	-	19	-	10	-	35	-	22	2	55
New York City.....	9	-	11	-	-	-	18	-	-	-	-
New York, Up-State.	240	-	4	-	7	-	8	-	5	2	45
New Jersey.....	NN	-	1	-	-	-	4	-	7	-	-
Pennsylvania.....	66	-	3	-	3	-	5	-	10	-	10
EAST NORTH CENTRAL...	760	1	17	-	11	1	49	-	9	2	284
Ohio.....	102	-	2	-	1	-	20	-	7	1	93
Indiana.....	181	-	2	-	1	-	7	-	-	-	90
Illinois.....	104	-	8	-	8	1	20	-	2	-	39
Michigan.....	210	-	3	-	1	-	-	-	-	-	17
Wisconsin.....	163	1	2	-	-	-	2	-	-	1	45
WEST NORTH CENTRAL...	459	-	15	1	17	5	45	-	9	7	801
Minnesota.....	32	-	2	-	-	-	2	-	-	2	260
Iowa.....	130	-	4	-	-	-	2	-	1	-	121
Missouri.....	20	-	5	1	8	4	30	-	3	1	117
North Dakota.....	105	-	-	-	-	1	1	-	-	3	131
South Dakota.....	35	-	1	-	3	-	2	-	4	-	97
Nebraska.....	74	-	3	-	1	-	4	-	1	-	27
Kansas.....	63	-	-	-	5	-	4	-	-	1	48
SOUTH ATLANTIC.....	1,026	-	32	-	12	-	64	-	142	11	400
Delaware.....	9	-	-	-	-	-	-	-	-	-	1
Maryland.....	154	-	3	-	-	-	9	-	18	-	6
Dist. of Columbia..	-	-	2	-	-	-	1	-	-	-	2
Virginia.....	378	-	4	-	3	-	10	-	44	5	138
West Virginia.....	165	-	2	-	-	-	-	-	2	1	51
North Carolina.....	14	-	2	-	3	-	4	-	39	-	12
South Carolina.....	184	-	4	-	-	-	4	-	9	-	-
Georgia.....	2	-	3	-	4	-	15	-	27	4	83
Florida.....	120	-	12	-	2	-	21	-	3	1	107
EAST SOUTH CENTRAL...	1,657	1	17	2	11	2	48	-	57	12	695
Kentucky.....	211	-	1	-	2	2	12	-	10	9	374
Tennessee.....	1,255	1	7	2	7	-	21	-	39	2	287
Alabama.....	65	-	6	-	-	-	2	-	5	1	27
Mississippi.....	126	-	3	-	2	-	13	-	3	-	7
WEST SOUTH CENTRAL...	854	-	31	-	48	3	54	-	30	7	493
Arkansas.....	21	-	5	-	15	2	20	-	6	-	62
Louisiana.....	16	-	10	-	7	-	6	-	1	2	48
Oklahoma.....	70	-	-	-	9	-	15	-	14	1	124
Texas.....	747	-	16	-	17	1	13	-	9	4	259
MOUNTAIN.....	2,850	-	1	-	9	-	21	-	5	1	90
Montana.....	212	-	-	-	-	-	-	-	-	-	-
Idaho.....	87	-	-	-	-	-	-	-	1	-	-
Wyoming.....	842	-	-	-	1	-	1	-	-	1	4
Colorado.....	1,104	-	-	-	3	-	5	-	4	-	4
New Mexico.....	243	-	-	-	-	-	8	-	-	-	39
Arizona.....	110	-	1	-	-	-	6	-	-	-	39
Utah.....	252	-	-	-	5	-	-	-	-	-	1
Nevada.....	-	-	-	-	-	-	1	-	-	-	3
PACIFIC.....	2,129	-	20	-	4	1	65	-	1	13	336
Washington.....	985	-	1	-	-	-	2	-	-	-	2
Oregon.....	99	-	1	-	1	-	5	-	-	-	6
California.....	931	-	18	-	3	1	57	-	1	13	328
Alaska.....	13	-	-	-	-	-	1	-	-	-	-
Hawaii.....	101	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	2	-	12	-	-	-	5	-	-	-	20

*Delayed reports: SST: Me. 9

Week No. 50

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 14, 1968

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	853	541	62	36
Boston, Mass.	272	158	18	14
Bridgeport, Conn.	63	46	4	1
Cambridge, Mass.	28	19	9	1
Fall River, Mass.	36	23	2	2
Hartford, Conn.	73	45	5	4
Lowell, Mass.	26	19	3	-
Lynn, Mass.	19	15	1	-
New Bedford, Mass.	36	25	2	-
New Haven, Conn.	65	43	2	4
Providence, R. I.	68	37	4	6
Somerville, Mass.	23	18	4	-
Springfield, Mass.	57	35	4	2
Waterbury, Conn.	30	19	1	1
Worcester, Mass.	57	38	3	1
MIDDLE ATLANTIC:	3,960	2,309	215	121
Albany, N. Y.	49	29	2	3
Allentown, Pa.	28	21	5	-
Buffalo, N. Y.	168	112	3	3
Camden, N. J.	47	24	4	5
Elizabeth, N. J.	34	20	1	1
Erie, Pa.	50	28	4	4
Jersey City, N. J.	84	49	7	2
Newark, N. J.	88	44	6	-
New York City, N. Y.	2,117	1,221	118	65
Paterson, N. J.	48	28	2	-
Philadelphia, Pa.	549	301	13	13
Pittsburgh, Pa.	208	113	16	8
Reading, Pa.	68	48	4	-
Rochester, N. Y.	119	83	9	4
Schenectady, N. Y.	39	23	1	2
Scranton, Pa.	40	26	8	1
Syracuse, N. Y.	85	52	2	3
Trenton, N. J.	74	43	6	5
Utica, N. Y.	27	18	1	-
Yonkers, N. Y.	38	26	3	2
EAST NORTH CENTRAL:	2,990	1,677	144	160
Akron, Ohio	67	48	-	6
Canton, Ohio	27	18	1	-
Chicago, Ill.	884	457	54	52
Cincinnati, Ohio	196	126	6	8
Cleveland, Ohio	252	145	11	6
Columbus, Ohio	131	70	1	7
Dayton, Ohio	91	54	1	6
Detroit, Mich.	429	207	29	19
Evansville, Ind.	39	27	2	2
Flint, Mich.	45	27	2	7
Fort Wayne, Ind.	59	37	1	4
Gary, Ind.	38	16	2	5
Grand Rapids, Mich.	59	36	2	1
Indianapolis, Ind.	163	79	4	10
Madison, Wis.	37	20	3	4
Milwaukee, Wis.	177	118	8	3
Peoria, Ill.	45	21	1	7
Rockford, Ill.	42	31	7	-
South Bend, Ind.	54	41	4	5
Toledo, Ohio	95	61	3	6
Youngstown, Ohio	60	38	2	2
WEST NORTH CENTRAL:	898	535	29	43
Des Moines, Iowa	51	34	4	1
Duluth, Minn.	24	18	2	-
Kansas City, Kans.	53	27	4	4
Kansas City, Mo.	146	90	2	7
Lincoln, Nebr.	33	25	4	2
Minneapolis, Minn.	128	72	3	6
Omaha, Nebr.	79	44	1	4
St. Louis, Mo.	264	140	6	16
St. Paul, Minn.	89	67	1	3
Wichita, Kans.	31	18	2	-
SOUTH ATLANTIC:	1,270	667	48	55
Atlanta, Ga.	146	64	3	7
Baltimore, Md.	242	125	9	7
Charlotte, N. C.	40	22	2	1
Jacksonville, Fla.	87	48	5	3
Miami, Fla.	135	69	-	6
Norfolk, Va.	55	23	-	3
Richmond, Va.	103	59	7	9
Savannah, Ga.	40	24	3	1
St. Petersburg, Fla.	95	80	2	-
Tampa, Fla.	61	28	6	6
Washington, D. C.	214	97	8	11
Wilmington, Del.	52	28	3	1
EAST SOUTH CENTRAL:	649	374	37	41
Birmingham, Ala.	106	69	2	6
Chattanooga, Tenn.	49	30	8	1
Knoxville, Tenn.	35	20	1	1
Louisville, Ky.	89	55	9	7
Memphis, Tenn.	143	84	3	13
Mobile, Ala.	50	27	-	2
Montgomery, Ala.	60	28	5	4
Nashville, Tenn.	117	61	9	7
WEST SOUTH CENTRAL:	1,362	715	74	85
Austin, Tex.	31	17	4	2
Baton Rouge, La.	36	18	3	-
Corpus Christi, Tex.	42	23	-	4
Dallas, Tex.	187	101	8	12
El Paso, Tex.	72	33	13	9
Fort Worth, Tex.	86	52	4	4
Houston, Tex.	278	121	5	24
Little Rock, Ark.	77	54	7	1
New Orleans, La.	168	78	8	11
Oklahoma City, Okla.	109	61	6	4
San Antonio, Tex.	140	77	5	9
Shreveport, La.	73	46	6	3
Tulsa, Okla.	63	34	5	2
MOUNTAIN:	489	281	48	20
Albuquerque, N. Mex.	45	22	7	2
Colorado Springs, Colo.	28	17	7	-
Denver, Colo.	150	89	14	4
Ogden, Utah	18	8	1	4
Phoenix, Ariz.	109	56	1	2
Pueblo, Colo.	23	19	10	-
Salt Lake City, Utah	51	26	2	6
Tucson, Ariz.	65	44	6	2
PACIFIC:	1,684	1,018	46	76
Berkeley, Calif.	27	20	2	-
Fresno, Calif.	54	33	3	3
Glendale, Calif.	18	13	-	1
Honolulu, Hawaii	41	26	1	2
Long Beach, Calif.	97	64	3	-
Los Angeles, Calif.	513	315	17	21
Oakland, Calif.	76	43	1	4
Pasadena, Calif.	39	24	-	2
Portland, Oreg.	160	93	1	14
Sacramento, Calif.	53	34	-	1
San Diego, Calif.	92	42	3	7
San Francisco, Calif.	203	132	6	6
San Jose, Calif.	61	37	2	4
Seattle, Wash.	145	80	7	10
Spokane, Wash.	72	45	-	-
Tacoma, Wash.	33	17	-	1
Total	14,155	8,117	703	637

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	636,726
All Causes, Age 65 and over	365,722
Pneumonia and Influenza, All Ages	25,340
All Causes, Under 1 Year of Age	30,069

EPIDEMIOLOGIC NOTES AND REPORTS
MEASLES – Rhode Island

From mid-September through mid-December 1968, an outbreak of 49 cases of measles occurred in Providence, Rhode Island. Except for several small self-limited family outbreaks, this is the first reported outbreak from Rhode Island since a statewide vaccination campaign was conducted in January 1966.[1] Most cases since the immunization campaign have occurred sporadically, usually secondary to infections imported from out of state. In 1968, prior to this outbreak, only six cases were reported. All were traced to out of state contacts.

The present outbreak occurred in Portuguese persons, many of whom arrived in the United States after the January 1966 immunization campaign in Rhode Island. The first case, a 3-year-old boy, developed measles on September 15 while visiting in Portugal. The family returned to the United States on September 30 and that same day, the boy's 6-year-old sister had onset of illness and exposed her 6-year-old cousin. All the remaining cases have been traced to school contacts of the sister of the first case. Special immunization clinics have been conducted in this area of the city and plans have been made to immunize persons from Portugal as they arrive in Rhode Island.

(Reported by Joseph E. Cannon, M.D., M.P.H., Director of Health, Rhode Island Department of Health; and an EIS Officer.)

Reference:

[1] Schaffner, William, et al: Clinical Epidemiology of Sporadic Measles in a Highly Immunized Population. N Eng J Med, 279:783-789, 1968.

ERRATUM, Vol. 17, No. 45, p. 424

In the article "Quarantine Measures" under New York City, Pan Medical Associates, the "No" after fee should be changed to "Yes."

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

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ATLANTA, GEORGIA 30333
ATTN: THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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